

WEST Search History



DATE: Monday, August 02, 2004

Hide?	Set Name	Query	Hit Count
		<i>DB=PGPB,USPT; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L13	l11 and virus	6
<input type="checkbox"/>	L12	L11 and insect	6
<input type="checkbox"/>	L11	spindle body or spindle bodies	558
<input type="checkbox"/>	L10	l5 and (spindle body or spindle bodies)	0
<input type="checkbox"/>	L9	l2 and (spindle body or spindle bodies)	1
<input type="checkbox"/>	L8	l6 and (spindle bodies or spindle body)	0
<input type="checkbox"/>	L7	L6 and bip	37
<input type="checkbox"/>	L6	L5 and feed\$	270
<input type="checkbox"/>	L5	L4 and virus	670
<input type="checkbox"/>	L4	L2 and transgenic	693
<input type="checkbox"/>	L3	L2 and fusolin	1
<input type="checkbox"/>	L2	L1 and plant	1371
<input type="checkbox"/>	L1	spindle and insect	2061

END OF SEARCH HISTORY

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal649axm

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 May 12 EXTEND option available in structure searching
NEWS 4 May 12 Polymer links for the POLYLINK command completed in REGISTRY
NEWS 5 May 27 New UPM (Update Code Maximum) field for more efficient patent
SDIs in Caplus
NEWS 6 May 27 Caplus super roles and document types searchable in REGISTRY
NEWS 7 Jun 28 Additional enzyme-catalyzed reactions added to CASREACT
NEWS 8 Jun 28 ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG,
and WATER from CSA now available on STN(R)
NEWS 9 Jul 12 BEILSTEIN enhanced with new display and select options,
resulting in a closer connection to BABS
NEWS 10 Jul 30 BEILSTEIN on STN workshop to be held August 24 in conjunction
with the 228th ACS National Meeting
NEWS 11 AUG 02 IFIPAT/IFIUDB/IFICDB reloaded with new search and display
fields
NEWS 12 AUG 02 Caplus and CA patent records enhanced with European and Japan
Patent Office Classifications
NEWS 13 AUG 02 STN User Update to be held August 22 in conjunction with the
228th ACS National Meeting
NEWS 14 AUG 02 The Analysis Edition of STN Express with Discover!
(Version 7.01 for Windows) now available

NEWS EXPRESS JULY 30 CURRENT WINDOWS VERSION IS V7.01, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
specific topic.

All use of STN is subject to the provisions of the STN Customer
agreement. Please note that this agreement limits use to scientific
research. Use for software development or design or implementation
of commercial gateways or other similar uses is prohibited and may
result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 17:20:36 ON 02 AUG 2004

=> file agricola caplus biosis
COST IN U.S. DOLLARS

SINCE FILE TOTAL
ENTRY SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'AGRICOLA' ENTERED AT 17:20:49 ON 02 AUG 2004

FILE 'CAPLUS' ENTERED AT 17:20:49 ON 02 AUG 2004

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'BIOSIS' ENTERED AT 17:20:49 ON 02 AUG 2004

COPYRIGHT (C) 2004 BIOLOGICAL ABSTRACTS INC.(R)

=> s insect and virus

L1 11852 INSECT AND VIRUS

=> s l1 and plant?

L2 3391 L1 AND PLANT?

=> s l2 and transgenic

L3 285 L2 AND TRANSGENIC

=> s l3 and (spindle body or spindle bodies)

L4 0 L3 AND (SPINDLE BODY OR SPINDLE BODIES)

=> s l3 and fusolin

L5 0 L3 AND FUSOLIN

=> s l2 and (spindle body or spindle bodies)

L6 0 L2 AND (SPINDLE BODY OR SPINDLE BODIES)

=> s l1 and (spindle body or spindle bodies)

L7 1 L1 AND (SPINDLE BODY OR SPINDLE BODIES)

=> d ti

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN

TI Recombinant entomopoxvirus

=> d ab

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN

AB Entomopoxviruses (EPV) carrying heterologous genes integrated into non-essential regions of their genomes are described for use in biol. insecticides and in the manufacture proteins and peptides in cell culture. The preferred **virus** is Heliothis armigera EPV (HaEPV) and the preferred sites of integration are the p11.5 open reading frame, the thymidine kinase gene, the spindle protein gene, and the intergenic region. Cloning and characterization of the HaEPV genome and its products is described. Transfer vectors based on a large BglII fragment of the viral genome were constructed and used to introduce the GUS gene into the intergenic region between the p11.5 ORF and the spindle protein gene. The preparation of viruses carrying genes for an antibody to the influenza **virus** neuraminidase or a gene for the juvenile hormone esterase of Heliothis virescens were demonstrated.

=> d pi

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9325666	A1	19931223	WO 1993-AU284	19930615
	W: AT, AU, BB, BG, BR, BY, CA, CH, CZ, DE, DK, ES, FI, GB, HU, JP,				

KP, KR, KZ, LK, LU, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD,
 SE, SK, UA, US, VN
 RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE,
 BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG
 AU 9342973 A1 19940104 AU 1993-42973 19930615
 AU 668734 B2 19960516
 EP 646172 A1 19950405 EP 1993-912434 19930615
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE
 JP 08501204 T2 19960213 JP 1993-500891 19930615
 BR 9306558 A 19990112 BR 1993-6558 19930615
 ZA 9304279 A 19940117 ZA 1993-4279 19930616
 CN 1083527 A 19940309 CN 1993-109028 19930616
 US 5762924 A 19980609 US 1994-356180 19941216

=> s fusolin

L8 47 FUSOLIN

=> dup rem l8

PROCESSING COMPLETED FOR L8

L9 28 DUP REM L8 (19 DUPLICATES REMOVED)

=> s l9 and insect

L10 12 L9 AND INSECT

=> d 1-12 ti

L10 ANSWER 1 OF 12 AGRICOLA Compiled and distributed by the National
 Agricultural Library of the Department of Agriculture of the United States
 of America. It contains copyrighted materials. All rights reserved.
 (2004) on STN

TI Identification, molecular cloning, and transcription analysis of the
 Choristoneura fumiferana nuclear polyhedrosis virus spindle-like protein
 gene.

L10 ANSWER 2 OF 12 AGRICOLA Compiled and distributed by the National
 Agricultural Library of the Department of Agriculture of the United States
 of America. It contains copyrighted materials. All rights reserved.
 (2004) on STN

TI The Melolontha melolontha entomopoxvirus (MmEPV) **fusolin** is
 related to the fusolins of Lepidopteran EPVs and to the 37K baculovirus
 glycoproteins.

L10 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

TI Progress in studies of gp37/**fusolin** genes of **insect**
 viruses

L10 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

TI Identification and characterization of phytoplasmal genes, employing a
 novel method of isolating phytoplasmal genomic DNA

L10 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

TI Expression of the **fusolin** gene of Choristoneura fumiferana
 entomopoxvirus in the baculovirus **insect** cell system

L10 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

TI **Insect**-virus relationships: sifting by informatics

L10 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

TI Baculovirus fusolins as antifeedants and their use in the development of
insect resistant plants

L10 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

TI The spheroidin of an entomopoxvirus isolated from the grasshopper

Anacridium aegyptium (AaEPV) shares low homology with spheroidins from lepidopteran or coleopteran EPVs

L10 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

TI Infectious, spindle body-producing recombinant entomopoxvirus, and uses thereof for controlling the proliferation of pest insects and/or producing biologically-active proteins

L10 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

TI Transient, nonlethal expression of genes in vertebrate cells by recombinant entomopoxviruses

L10 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

TI Glycoprotein promoting infection by **insect** virus

L10 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

TI Recombinant entomopoxvirus

=> s l9 and virus

L11 11 L9 AND VIRUS

=> del l11 y

=> d 3 ab

L10 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

AB A review discusses the **insect** baculovirus and entomopoxvirus gp37/**fusolin** genes, which encode GP37/**Fusolin** proteins that form spindle bodies (SBs).. SBs formed by **Fusolin** and purified **Fusolin** protein can improve the sensitivities of target insects to baculoviruses. It was proposed that GP37 proteins, like **Fusolin**, have an accessory function that is not required for viral replication and it may be possible to adapt the function of GP37/**Fusolin** for human advantage by using the presence of increased or alternate GP37/**Fusolin** proteins as "adjuvants" for viral biopesticides.

=> d 3 so

L10 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

SO Zhongguo Shengwu Gongcheng Zazhi (2003), 23(11), 16-18
CODEN: ZSGZAW; ISSN: 1671-8135

=> d 5 ab

L10 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

AB The **fusolin** (fus) gene of Choristoneura fumiferana entomopoxvirus was cloned and expressed in **insect** cells via the baculovirus expression vector system using the polh promoter. A PstI / EcoRI restriction enzyme fragment (1115 bp) which includes the fus gene was cloned into pBlueBac4.5. This engineered plasmid and linearized DNA of Autographa californica nuclear polyhedrosis virus (AcNPV) were cotransfected into Spodoptera frugiperda cells. Selection and purification of high level recombinant baculovirus were performed by polymerase chain reaction and plaque assay. Expression of the **fusolin** protein (approx. 38 kDa polypeptide) in S. frugiperda cells was determined by SDS-PAGE.

=> d 5 so

L10 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

SO Biologia (Bratislava, Slovakia) (2001), 56(6), 637-642
CODEN: BLOAAO; ISSN: 0006-3088

=> d 7 ab

L10 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN
AB Plants are disclosed which are capable of expressing, in a tissue or tissues susceptible to damage by feeding insects, an exogenous protein(s) such as **fusolin** or a **fusolin**-like protein, to reduce damage to the plant by inhibiting feeding, growth and/or development of insects. Feed baits comprising spindle bodies, spindle-like bodies or constituent protein(s) thereof which inhibit feeding, growth and/or development of insects are also disclosed. Fusolins are shown to be effective antifeedants for larvae of a number of **insect** pests.

=> d 7 so

L10 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN
SO PCT Int. Appl., 47 pp.
CODEN: PIXXD2

=> d 7 pi

L10	ANSWER 7 OF 12	CAPLUS	COPYRIGHT 2004	ACS on STN	
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	WO 2000053000	A1	20000914	WO 2000-AU181	20000310
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	EP 1158850	A1	20011205	EP 2000-908824	20000310
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	NZ 513932	A	20020726	NZ 2000-513932	20000310
	JP 2002537860	T2	20021112	JP 2000-603500	20000310

=> d 9 ab

L10 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN
AB The invention provides an infectious, spindle body-producing recombinant entomopoxvirus, particularly *Heliothis armigera* (HaEPV), wherein heterologous DNA is inserted within the intergenic region between the **fusolin** gene and the p68 gene. The heterologous DNA used in the methods of the invention may encode insecticidal toxins, **insect** neurohormones, and neurohormonal-interacting proteins. Recombinant entomopoxviruses comprising such heterologous DNA are useful for controlling the proliferation of pest insects. The heterologous DNA may also encode biol.-active proteins, such as interferons, tissue plasminogen activator, lymphotoxin, insulin, human growth hormone, etc. Recombinant entomopoxviruses comprising such heterologous DNA are useful in the production of desired biol.-active proteins, polypeptides and peptides in cell culture.

=> d 9 so

L10 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN
SO PCT Int. Appl., 84 pp.
CODEN: PIXXD2

=> d 9 pi

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9963062	A1	19991209	WO 1999-AU416	19990528
	W: AU, CA, JP, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	AU 9941239	A1	19991220	AU 1999-41239	19990528

=> dis his

(FILE 'HOME' ENTERED AT 17:20:36 ON 02 AUG 2004)

FILE 'AGRICOLA, CAPLUS, BIOSIS' ENTERED AT 17:20:49 ON 02 AUG 2004

L1 11852 S INSECT AND VIRUS
L2 3391 S L1 AND PLANT?
L3 285 S L2 AND TRANSGENIC
L4 0 S L3 AND (SPINDLE BODY OR SPINDLE BODIES)
L5 0 S L3 AND FUSOLIN
L6 0 S L2 AND (SPINDLE BODY OR SPINDLE BODIES)
L7 1 S L1 AND (SPINDLE BODY OR SPINDLE BODIES)
L8 47 S FUSOLIN
L9 28 DUP REM L8 (19 DUPLICATES REMOVED)
L10 12 S L9 AND INSECT

=> s fusolin-like

L11 3 FUSOLIN-LIKE

=> dup rem l11

PROCESSING COMPLETED FOR L11

L12 3 DUP REM L11 (0 DUPLICATES REMOVED)

=> d 1-3 ti

L12 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
TI Baculovirus fusolins as antifeedants and their use in the development of insect resistant plants

L12 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
TI Molecular cloning and analysis of genes upstream of chiA in Alteromonas sp. strain O-7

L12 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
TI Glycoprotein promoting infection by insect virus

=> d pi

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000053000	A1	20000914	WO 2000-AU181	20000310
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID,				

IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV,
MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG,
SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW,
AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
EP 1158850 A1 20011205 EP 2000-908824 20000310
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO
NZ 513932 A 20020726 NZ 2000-513932 20000310
JP 2002537860 T2 20021112 JP 2000-603500 20000310

=> d 3 so

L12 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
SO Kagaku to Seibutsu (1996), 34(9), 562-564
CODEN: KASEAA; ISSN: 0453-073X

=> d 3 a

'A' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

The following are valid formats:

ABS ----- GI and AB
ALL ----- BIB, AB, IND, RE
APPS ----- AI, PRAI
BIB ----- AN, plus Bibliographic Data and PI table (default)
CAN ----- List of CA abstract numbers without answer numbers
CBIB ----- AN, plus Compressed Bibliographic Data
DALL ----- ALL, delimited (end of each field identified)
DMAX ----- MAX, delimited for post-processing
FAM ----- AN, PI and PRAI in table, plus Patent Family data
FBIB ----- AN, BIB, plus Patent FAM
IND ----- Indexing data
IPC ----- International Patent Classifications
MAX ----- ALL, plus Patent FAM, RE
PATS ----- PI, SO
SAM ----- CC, SX, TI, ST, IT
SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;
SCAN must be entered on the same line as the DISPLAY,
e.g., D SCAN or DISPLAY SCAN)
STD ----- BIB, IPC, and NCL

IABS ----- ABS, indented with text labels
IALL ----- ALL, indented with text labels
IBIB ----- BIB, indented with text labels
IMAX ----- MAX, indented with text labels
ISTD ----- STD, indented with text labels

OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
SIBIB ----- IBIB, no citations

HIT ----- Fields containing hit terms
HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)
containing hit terms
HITRN ----- HIT RN and its text modification
HITSTR ----- HIT RN, its text modification, its CA index name, and
its structure diagram

HITSEQ ----- HIT RN, its text modification, its CA index name, its structure diagram, plus NTE and SEQ fields
 FHITSTR ----- First HIT RN, its text modification, its CA index name, and its structure diagram
 FHITSEQ ----- First HIT RN, its text modification, its CA index name, its structure diagram, plus NTE and SEQ fields
 KWIC ----- Hit term plus 20 words on either side
 OCC ----- Number of occurrence of hit term and field in which it occurs

To display a particular field or fields, enter the display field codes. For a list of the display field codes, enter HELP DFIELDS at an arrow prompt (=>). Examples of formats include: TI; TI,AU; BIB,ST; TI,IND; TI,SO. You may specify the format fields in any order and the information will be displayed in the same order as the format specification.

All of the formats (except for SAM, SCAN, HIT, HITIND, HITRN, HITSTR, FHITSTR, HITSEQ, FHITSEQ, KWIC, and OCC) may be used with DISPLAY ACC to view a specified Accession Number.
 ENTER DISPLAY FORMAT (BIB):ab

L12 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
 AB A review with 7 refs. on enhancement nuclear polyhedrosis virus infection to Pseudaletia separata by 38-kDa glycoprotein of pox virus, its homol. with fusolin, and possible use of the glycoprotein as an enhancer for viral insecticides.

=> s virus and (spindle body or spindle bodies)
 L13 4 VIRUS AND (SPINDLE BODY OR SPINDLE BODIES)

=> dup rem l143
 L143 IS NOT VALID HERE
 The L-number entered has not been defined in this session, or it has been deleted. To see the L-numbers currently defined in this session, enter DISPLAY HISTORY at an arrow prompt (=>).

=> dup rem l13
 PROCESSING COMPLETED FOR L13
 L14 2 DUP REM L13 (2 DUPLICATES REMOVED)

=> d 1-2 ti

L14 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Recombinant entomopoxvirus

L14 ANSWER 2 OF 2 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN DUPLICATE 1
 TI A gene encoding a highly expressed **spindle body** protein of Heliothis armigera entomopoxvirus.

=> d 2 ab

L14 ANSWER 2 OF 2 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN DUPLICATE 1
 AB The gene encoding the most abundant protein of purified preparations of Heliothis armigera entomopoxvirus (HaEPV) has been cloned and sequenced. The gene sequence encodes a 40.1K polypeptide with a putative N-terminal

20 amino acid leader peptide, and a single potential N-glycosylation site. Analysis of the protein, which has an apparent Mr of 50K on polyacrylamide gels, confirmed post-translational loss of the leader peptide, but showed no evidence of glycosylation. The protein is related to others previously described from *Choristoneura biennis* EPV (63% identity) and *Autographa californica* nuclear polyhedrosis **virus** (42% identity). Polyclonal antiserum raised against a bacterial fusion protein containing the majority of the HaEPV protein specifically labelled HaEPV **spindle bodies**; confocal laser scanning microscopy suggests that the protein is distributed throughout those viral structures.

=> d 2 so

L14 ANSWER 2 OF 2 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN DUPLICATE 1
 SO The Journal of general virology, Sept 1993. Vol. 74, No. pt.9. p. 1811-1818
 Publisher: Reading : Society for General Microbiology.
 CODEN: JGVIAI; ISSN: 0022-1317

=> s ((dall d?) or (dall, d?))/au
 L15 73 ((DALL D?) OR (DALL, D?))/AU

=> s l15 and (spindle body or spindle bodies)
 L16 8 L15 AND (SPINDLE BODY OR SPINDLE BODIES)

=> dup rem l16
 PROCESSING COMPLETED FOR L16
 L17 5 DUP REM L16 (3 DUPLICATES REMOVED)

=> d 1-5 ti

L17 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Baculovirus fusolins as antifeedants and their use in the development of insect resistant plants

L17 ANSWER 2 OF 5 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN DUPLICATE 1
 TI **Spindle bodies** of *Heliothis armigera* entomopoxvirus develop in structures associated with host cell endoplasmic reticulum.

L17 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Infectious, **spindle body**-producing recombinant entomopoxvirus, and uses thereof for controlling the proliferation of pest insects and/or producing biologically-active proteins

L17 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Recombinant entomopoxvirus

L17 ANSWER 5 OF 5 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN DUPLICATE 2
 TI A gene encoding a highly expressed **spindle body** protein of *Heliothis armigera* entomopoxvirus.

=> d pi

```
L17 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
PATENT NO.          KIND    DATE          APPLICATION NO.          DATE
-----
PI   WO 2000053000    A1      20000914    WO 2000-AU181            20000310
      W:  AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU,
          CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID,
          IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV,
          MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG,
          SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW,
          AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
      RW:  GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
          DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
          CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
      EP 1158850        A1      20011205    EP 2000-908824            20000310
      R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
          IE, SI, LT, LV, FI, RO
      NZ 513932         A       20020726    NZ 2000-513932            20000310
      JP 2002537860    T2      20021112    JP 2000-603500            20000310
```

=> d 2 ab

```
L17 ANSWER 2 OF 5 AGRICOLA Compiled and distributed by the National
Agricultural Library of the Department of Agriculture of the United States
of America. It contains copyrighted materials. All rights reserved.
(2004) on STN                                     DUPLICATE 1
```

=> d 2 aso

'ASO' IS NOT A VALID FORMAT

In a multifile environment, a format can only be used if it is valid
in at least one of the files. Refer to file specific help messages
or the STNGUIDE file for information on formats available in
individual files.

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):so

```
L17 ANSWER 2 OF 5 AGRICOLA Compiled and distributed by the National
Agricultural Library of the Department of Agriculture of the United States
of America. It contains copyrighted materials. All rights reserved.
(2004) on STN                                     DUPLICATE 1
SO   Journal of invertebrate pathology, Apr 2000. Vol. 75, No. 3. p. 183-192
      Publisher: Orlando, Fla. : Academic Press.
      CODEN: JIVPAZ; ISSN: 0022-2011
```

=> d 5 so

```
L17 ANSWER 5 OF 5 AGRICOLA Compiled and distributed by the National
Agricultural Library of the Department of Agriculture of the United States
of America. It contains copyrighted materials. All rights reserved.
(2004) on STN                                     DUPLICATE 2
SO   The Journal of general virology, Sept 1993. Vol. 74, No. pt.9. p.
      1811-1818
      Publisher: Reading : Society for General Microbiology.
      CODEN: JGVIAZ; ISSN: 0022-1317
```

=> s l15 and (fusolin or fusolin-like)

```
L18          9 L15 AND (FUSOLIN OR FUSOLIN-LIKE)
```

=> dup rem l18

ENTER L# LIST OR (END):end

=> dup rem l18
PROCESSING COMPLETED FOR L18
L19 6 DUP REM L18 (3 DUPLICATES REMOVED)

=> d 1-6 ti

L19 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 1
TI Assessment of foreign protein production by recombinant *Heliothis*
(*Helicoverpa*) *armigera* entomopoxviruses in *Spodoptera frugiperda* cells

L19 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 2
TI Insect-virus relationships: sifting by informatics

L19 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN
TI Baculovirus fusolins as antifeedants and their use in the development of
insect resistant plants

L19 ANSWER 4 OF 6 AGRICOLA Compiled and distributed by the National
Agricultural Library of the Department of Agriculture of the United States
of America. It contains copyrighted materials. All rights reserved.
(2004) on STN DUPLICATE 3
TI Spindle bodies of *Heliothis armigera* entomopoxvirus develop in structures
associated with host cell endoplasmic reticulum.

L19 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN
TI Infectious, spindle body-producing recombinant entomopoxvirus, and uses
thereof for controlling the proliferation of pest insects and/or producing
biologically-active proteins

L19 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN
TI Recombinant entomopoxvirus